(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001726 A1

(51) International Patent Classification[7]: G06F 17/60

(21) International Application Number:
PCT/EP2004/050787

(22) International Filing Date: 13 May 2004 (13.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03101904.5 26 June 2003 (26.06.2003) EP

(71) Applicant *(for all designated States except US)*: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DAUR, Harald** [DE/DE]; Heilbronner Str. 7, 73728 Esslingen (DE). **SCHMIDT, Andrea** [DE/DE]; Offenburger Str. 37, 71034 Boeblingen (DE). **OCHS, Georg** [DE/DE]; Tannenweg 15, 71159 Moetzingen (DE). **BREITER, Gerd** [DE/DE]; Am Gaensberg 31, 72218 Wildberg (DE). **BILDHAUER, Georg** [DE/DE]; Welle 21/1, 71083 Herrenberg (DE).

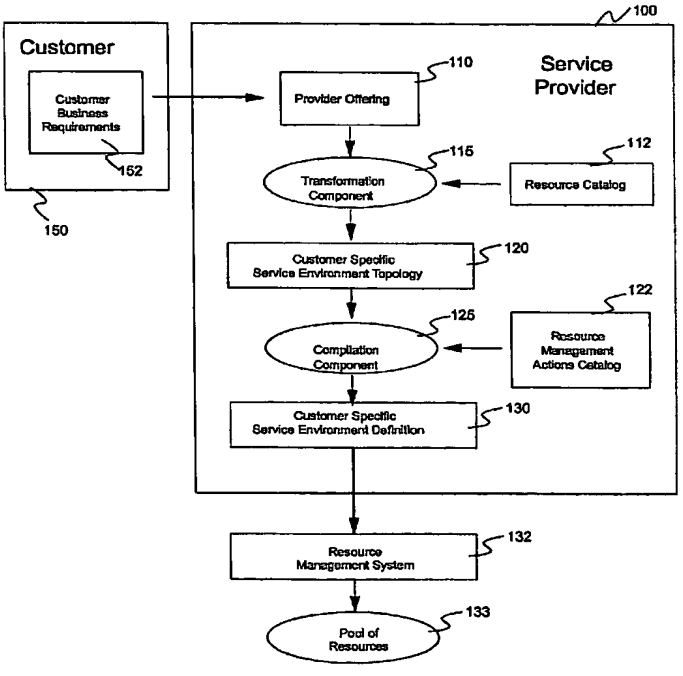
(74) Agent: **KLEIN, Hans-Jörg**; Postal Code, 70548 Stuttgart (DE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR AUTOMATICALLY TRANSFORMING A PROVIDER OFFERING INTO A CUSTOMER SPECIFIC SERVICE ENVIRONMENT DEFINITON EXECUTABLE BY RESOURCE MANAGEMENT SYSTEMS



(57) Abstract: Method and System for automatically transforming a provider offering into a customer specific service environment definition executable by Resource management systems. The idea of the present invention is to provide a method for automatically transforming a provider offering describing a customer specific service environment in business terms into a machine readable form which can be automatically processed by resource management systems. The input for the transformation is the provider's offering in business terms as well information from the resource catalog. The result of the transformation is a customer specific service environment topology that states all the necessary resource types, their configurations and their dependencies. Based on that customer specific service environment topology and information from the resource management catalog, a customer specific service environment definition (SED) is automatically generated which contains all the configuration information and definitions of the resource management actions in order to instantiate and drive the operation of the service environment. The SED can be deployed into a resource management system that automatically executes the resource management actions without the error prone configuration steps otherwise needed.

WO 2005/001726 A1

FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*